

the sliding member **50** is received in the receiving space of the connecting member **16**. The pin **56** is received in the pivot hole **1662** to allow the sliding member **50** to rotatably connect the connecting member **16**. Accordingly, the sliding module **100** is assembled.

[0022] When the sliding module **100** is in a closed orientation, the first section **10** is on the second section **20**. The connecting arm **36** of the pivot plate **30** is received in the retaining groove **12** of the first section **10**. The sliding member **50** is positioned at one end of the groove **24**, and the extending end **54** is received in the connecting member **16**.

[0023] Referring to FIGS. **5** and **6**, when the sliding module **100** is to be opened, a force is applied to the first section **10** to move the first section **10** away from the second section **20**. The pivot plate **30** is forced to rotate and the sliding member **50** slides in the groove **24** of the second section **20**. The pivot plate **30** is not only rotated around the post **15** to support the first section **10**, and but also brings the cam **45** to rotate. Thus, the cam **45** is driven to rotate relative to the follower **44**. When the cam **45** slides over the peaks of the follower **44**, the cam **45** automatically rotates the pivot plate **30** until the first section **10** is completely opened relative to the second section **20**. The first section **10** is supported in a tilted position relative to the second section **20**.

[0024] The sliding module **100** is applied in a portable electronic device such as a mobile phone. The electronic device includes a cover and a housing engageable with the cover. The cover is secured to the first section **10**, and the housing is secured to the second section **20**. Thus, the portable electronic device opens or closes with the sliding module **100**.

[0025] It is to be understood, however, that even through numerous characteristics and advantages of the present disclosure have been set forth in the foregoing description, together with details of the structure and function of the disclosure, the disclosure is illustrative only, and changes may be made in detail, especially in matters of shape, size, and arrangement of parts within the principles of the disclosure to the full extent indicated by the broad general meaning of the terms in which the appended claims are expressed.

What is claimed is:

1. A sliding module comprising:
 - a first section including a connecting member;
 - a second section;
 - a hinge module positioned on the second section;
 - a sliding member slidably engaged with the second section, and rotatably connected to the connecting member of the first section; and
 - a pivot plate, two ends of the pivot plate respectively connected to the first section and the hinge module;
 wherein when the sliding member slides relative to the second section, the pivot plate brings the first section to move and rotate relative to the second section in a tilted orientation.
2. The sliding module as claimed in claim 1, wherein the first section defines at least one retaining groove, and a post is formed in the at least one retaining groove for rotatably connecting one end of the pivot plate.
3. The sliding module as claimed in claim 2, wherein a bottom portion of the at least one retaining groove is protruded outward to form a cavity and a protruding wall surrounding the cavity, the post is fixed in the cavity, and two ends thereof extend out from the protruding wall.
4. The sliding module as claimed in claim 1, wherein the connecting member is disposed at a corner of the first section,

and includes a top wall, a first sidewall and a second sidewall, the first sidewall and the second sidewall are connected at opposite sides of the top wall, thereby surrounding a receiving space for receiving the sliding member.

5. The sliding module as claimed in claim 1, wherein the second section defines a wedge groove, at one end of a surface thereof for slidably receiving the sliding member.

6. The sliding module as claimed in claim 1, wherein a hinge barrel is formed on the second section, a receiving hole is defined at one end of each hinge barrel for receiving the hinge module.

7. The sliding module as claimed in claim 1, wherein the pivot plate includes a main body and two support arms formed at two sides of the main body, each support arm includes a connecting arm, a first hinged portion and a second hinged portion connected to two ends of the connecting arm, the first hinged portion defines a first through hole for connecting to the first section, the second hinged portion defines a second through hole for fixing one portion of the hinge module.

8. The sliding module as claimed in claim 1, wherein the sliding member includes a sliding block and an extending end integrally formed together.

9. The sliding module as claimed in claim 8, wherein the connecting member defines a pivot hole, a pin is formed on the extending end for being received in the pivot hole of the connecting member to allow the sliding member to be rotatably connected to the first section.

10. An electronic device comprising:

- a first section including a connecting member;
 - a second section;
 - a hinge module positioned on the second section;
 - a sliding member slidably engaged with the second section, and rotatably connected to the connecting member of the first section; and
 - a pivot plate, two ends of the pivot plate respectively connected to the first section and the hinge module;
- wherein when the sliding member slides relative to the second section, the pivot plate brings the first section to move and rotate relative to the second section in a tilted orientation.

11. The electronic device as claimed in claim 10, wherein a hinge barrel is formed on the second section, a receiving hole is defined at one end of each hinge barrel for receiving the hinge module.

12. The electronic device as claimed in claim 10, wherein the sliding member includes a sliding block and an extending end integrally formed together.

13. The electronic device as claimed in claim 12, wherein the connecting member defines a pivot hole, a pin is formed on the extending end for being received in the pivot hole of the connecting member to allow the sliding member to be rotatably connected to the first section.

14. The electronic device as claimed in claim 10, wherein the second section defines a wedge groove, at one end of a surface thereof for slidably receiving the sliding member.

15. The electronic device as claimed in claim 10, wherein the connecting member is disposed at a corner of the first section, and includes a top wall, a first sidewall and a second sidewall, the first sidewall and the second sidewall are connected at opposite sides of the top wall, thereby surrounding a receiving space for receiving the sliding member.

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